

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: M-107636
Date Received: 02/16/06
Date Extracted: 02/21/06
Date Analyzed: 02/22/06
Matrix: Water
Units: ug/L (ppb)

Client: Alaskan Copper Works
Project: Metro Self Monitor, PO# M107636
Lab ID: 602154-01 10x
Data File: 602154-01 10x.011
Instrument: ICPMS1
Operator: btb

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Lithium	93	60	125
Germanium	85	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	616
Nickel	751
Copper	722
Zinc	15.2

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	Alaskan Copper Works
Date Received:	Not Applicable	Project:	Metro Self Monitor, PO# M107636
Date Extracted:	02/21/06	Lab ID:	I6-158 mb
Date Analyzed:	02/22/06	Data File:	I6-158 mb.006
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	btb

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Lithium	91	60	125
Germanium	87	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	<10
Nickel	<10
Copper	<10
Zinc	<10

FRIEDMAN & BRUYA, INC.**ENVIRONMENTAL CHEMISTS**

Date of Report: 02/27/06

Date Received: 02/16/06

Project: Metro Self Monitor, PO# M107636, F&BI 602154

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF WATER SAMPLES
FOR METALS BY EPA METHOD 200.8**

Laboratory Code: 602161-05 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	ug/L (ppb)	17.4	17.2	1	0-20
Nickel	ug/L (ppb)	21.3	21.5	1	0-20
Copper	ug/L (ppb)	16.7	16.5	1	0-20
Zinc	ug/L (ppb)	1.50	1.59	6	0-20

Laboratory Code: 602161-05 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	% Recovery MS	Acceptance Criteria
Chromium	ug/L (ppb)	20	17.4	118	50-150
Nickel	ug/L (ppb)	20	21.3	124	50-150
Copper	ug/L (ppb)	20	16.7	101	50-150
Zinc	ug/L (ppb)	50	1.50	96	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	% Recovery LCS	Acceptance Criteria
Chromium	ug/L (ppb)	20	90	70-130
Nickel	ug/L (ppb)	20	100	70-130
Copper	ug/L (ppb)	20	99	70-130
Zinc	ug/L (ppb)	50	97	70-130

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

February 27, 2006

DUPLICATE COPY

INVOICE # 06ACU0227-1

Accounts Payable
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M107636, F&BI 602154 - Results of testing
requested by Gerry Thompson for material submitted on February 16, 2006.

1 sample analyzed for Total Chromium, Copper, Nickel and Zinc
by Method 200.8 @ \$80 per sample

\$ 80.00

Amount Due

\$ 80.00

FEDERAL TAX ID # (b) (6)

FRIEDMAN & BRUYA, INC.

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February 27, 2006

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

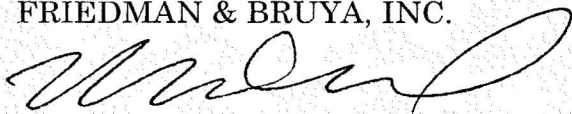
Dear Mr. Thompson:

Included are the results from the testing of material submitted on February 16, 2006 from the Metro Self Monitor, PO# M107636, F&BI 602154 project. There are 3 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
ACU0227R.DOC

602154

SAMPLE CHAIN OF CUSTODY ME 02-16-06

AI 4

Send Report To

GERARD Thompson

Company

ALASKAN Copper Works

Address

628 S. HANFORD ST

City, State, ZIP

SEATTLE WA 98134

Phone #

206-382-8378

Fax #

206-382-4309

SAMPLERS (signature)

PROJECT NAME/NO.

METRO SELF MONITOR

PO #

M107636

REMARKS

Page # of

TURNAROUND TIME

☐ Standard (2 Weeks)☐ RUSH

Rush charges authorized by:

SAMPLE DISPOSAL

☐ Dispose after 30 days☐ Return samples☐ Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSES REQUESTED												Notes
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS	Cr, Cu, Ni, Zn						
M-107636	01	2/16/06	1230	H2O	1							X						

Friedman & Bruya, Inc.
3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

FORMS\COC\COC.DOC

SIGNATURE

Relinquished by:

GERARD Thompson

Received by:

Nhan Phan

Relinquished by:

Received by:

PRINT NAME

COMPANY

DATE

TIME

ACW

2/16/06

1:20pm

FeBI

2/16/06

1:20